1. IDENTIFICATION

Product Identifier

Product Name United 541A NOMIX

Other means of identification

SDS # UNITED-541A

Recommended use of the chemical and restrictions on use

Recommended Use Concrete Repair
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address
United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

| Skin Sensitization | Category 1 | H317 |

Label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Signal word Warning

Hazard statements

May cause an allergic reaction.

Appearance Cloudy gray liquid

Physical State Liquid

Odor Faint Scent
Emergency Overview
Precautionary Statements - Prevention
Avoid breathing mist, vapor and spray. Wear protective gloves/protective clothing/eye protection. Contaminated work clothing must not be allowed out of the workplace.

Precautionary Statements - Response
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Precautionary Statements – Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Benzenediamine,(or 4)-methyl-4,6-(or 2,6)-bis(methylthio)</td>
<td>106264-79-3</td>
<td>10-20</td>
</tr>
<tr>
<td>1,1,1,1-ethylenedinitrilotetrapropan-2-ol</td>
<td>102-60-3</td>
<td>0-5</td>
</tr>
<tr>
<td>4,4-methylenebis(N-sec-butylaniline)</td>
<td>5285-60-9</td>
<td>0-5</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>0-5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0-5</td>
</tr>
<tr>
<td>N,N,4-trimethylpiperazine-1-ethylamine</td>
<td>104-19-8</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact
Remove contact lenses if worn, if possible. Rinse opened eye for several minutes under running water. If symptoms persists; consult a doctor.

Skin Contact
Immediately wash with water and soap and rinse thoroughly. Do not pull solidified product away from the skin. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation
Respiration of particulates is unlikely during normal usage. Supply fresh air; consult doctor in case of complaints.

Ingestion
Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects

Symptoms
Headache, breathing difficulty and coughing. Allergic reactions. Nausea is case of ingestion. Gastric or intestinal disorders when ingested. Vomiting. Diarrhea. Slight irritant on eyes and skin and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Contains 1,3-Benzenediamine, 2 (or) 4)-methyl-4,6,(or 2,6)-bis(methylthio)- May produce an allergic reaction. Treate skin and mucous membrane with antihistamine and corticoid preparations. If medical advice is needed, have product container or label at hand.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Unsafe Extinguishing Media
Water spray

Specific Hazards Arising from the Chemical
Formation of toxic gases is possible during heating or in case of fire.

Protective equipment and precautions for firefighters
Self-contained respiratory protective device. Wear fully protective suit.
6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures.**
Ensure adequate ventilation. Use personal protective equipment as required.

**Environmental precautions**
Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

**Methods and material for containment and cleaning up**

- **Methods for Containment and Clean-Up**
  Absorb with liquid—binding material (sand, diatomite, acid binders, universal binder, sawdust). Send for recovery or disposal in suitable receptacles.

---

7. HANDLING AND STORAGE

**Precautions for safe handling**

- **Advice on Safe Handling**
  Use only in well ventilated area. Avoid contact with eyes and skin. Open and handle receptacle with care. Avoid breathing mist, vapors or spray.
  
  Keep respiratory devices available.

**Conditions for safe storage, including any incompatibilities**

- **Storage Conditions**
  Avoid storage near extreme heat, ignition sources or open flame. Store in cool, dry conditions in well-sealed receptacles. Store away from foodstuffs.

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls** The usual precautionary measures for handling chemicals should be followed. Avoid breathing mist, vapors, or spray. Avoid release to the environment.

**Individual protection measures, such as personal protective equipment**

- **Eye/Face Protection**
  Wear safety glasses. Avoid contact with eyes.

- **Skin and Body Protection**
  Wear protective gloves. Protective work clothing. Avoid contact with skin.

- **Respiratory Protection**
  Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

**General Hygiene Considerations**
Keep away from foodstuffs, beverages and feed.

---

9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Cloudy gray liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Cloudy gray</td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Faint Scent</td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Boiling Point/Boiling Range</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt;93°C (199.4°F)</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No information available.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Conditions to Avoid
Store away from oxidizing agents. Avoid acids. Excessive heat.

Incompatible Materials
Oxidizers, strong bases, strong acids.

Hazardous Decomposition Products
Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Product Information
Probable route(s) of exposure: Ingestion. Eye contact. Skin irritant.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (mg/kg)</th>
<th>LD50 Dermal (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Benzenediamine,2(or 4)-methyl-4,6 (or 2,6)-bis(methylthio)</td>
<td>1515</td>
<td>-</td>
</tr>
<tr>
<td>N,N,4-trimethylpiperazine-1-ethylamine</td>
<td>1420</td>
<td>390</td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen. (IARC: Carbon black – 1333-86-4 – Category 2B. Titanium dioxide – 13463-67-7 – Category 2B. NTP: None of the ingredients are listed. OSHA: None of the ingredients listed).

Reproductive Toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration Hazard: Based on available data, the classification criteria are not met.
12. ECOLOGICAL INFORMATION

Ecotoxicity
This product is toxic to aquatic life with long lasting effects.

Persistence/Degradability
No relevant information available.

Bioaccumulation
No relevant information available.

Mobility
No relevant information available.

General notes
Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment
PBT and vPvB: Not applicable.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendations: Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging’s – Recommendations: Disposal must be made according to official regulations. Empty contaminated packaging’s thoroughly. They can be recycled after thorough and proper cleaning. Packaging’s that cannot be cleansed are to be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

Note: Not regulated when carried in single or combination packaging containing a net quantity of 5L or less for liquids or 5kg or less for solids per the following: ADR: SP 375. IMDG: 2.10.2.7. IATA: Special provision A197.

DOT
Not regulated

IATA
Proper Shipping Name  Environmentally hazardous substance, liquid, NOS
(1,3-Benzenediamine,2(or 4)-methyl-4,6 (or 2,6)-bis(methylthio)-)
UN/NA Number UN3082
Primary Hazard Class/Division  Class 9
Packing Group  III

IMDG
Proper Shipping Name  Environmentally hazardous substance, liquid, NOS
UN/NA Number  UN3082
Packing Group  III
Primary Hazard Class/Division  Class 9
Marine Pollutant  Yes

DOT Remarks: Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.
15. REGULATORY INFORMATION

TSCA
All ingredients are listed.

DSL/NDSL: All ingredients listed.

SARA 302: None of the ingredients are listed.

SARA 355: None of the ingredients are listed.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

California Proposition 65
Chemicals known to cause cancer: Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied. Carbon black (1333-86-4), Titanium dioxide (13463-67-7)

Chemicals known to cause developmental toxicity for males and females: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

IARC (International Agency for Research on Cancer): Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied. Carbon black (1333-86-4) 2B, Titanium dioxide (13463-67-7) 2B.

GHS Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS) H317

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMIS</td>
<td>Health Hazards</td>
<td>Flammability</td>
<td>Physical Hazards</td>
<td>Personal Protection</td>
</tr>
<tr>
<td>&quot;2&quot;</td>
<td>1</td>
<td>1</td>
<td>n&amp;p</td>
<td></td>
</tr>
</tbody>
</table>

Issue Date 10-Jun-2015
Revision Date: 15-July-2019
Revision Note Updated Regulatory

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet
1. IDENTIFICATION

Product Identifier
Product Name United 541B NOMIX

Other means of identification
SDS # UNITED-541B

Recommended use of the chemical and restrictions on use
Recommended Use Concrete Repair
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet
Supplier Address
United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com

Emergency Telephone Number
Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>(Inhalation) Category 4</td>
<td>H332</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Category 2</td>
<td>H315</td>
</tr>
<tr>
<td>Eye Irritation</td>
<td>Category 2A</td>
<td>H319</td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
<td>Category 1</td>
<td>H334</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Category 1</td>
<td>H317</td>
</tr>
<tr>
<td>Target Organ Toxicity (single exposure)</td>
<td>Category 3</td>
<td>H335</td>
</tr>
<tr>
<td>Target Organ Toxicity (Repeated exposure)</td>
<td>Category 2</td>
<td>H373</td>
</tr>
</tbody>
</table>

Label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

Signal word DANGER

Hazard statements
May cause a respiratory reaction. Cause skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs through prolonged or repeated exposure. Suspected of causing cancer.
Emergency Overview

Precautionary Statements - Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, vapor or spray. Wash hands thoroughly after handling. Use only outdoors or in well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Contaminated work clothing must not be allowed out of the workplace. In case of inadequate ventilation wear respiratory protection.

Precautionary Statements - Response
If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or physician. Take off contaminated clothing and wash before reuse.

Precautionary Statements – Storage
Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements – Disposal
Dispose of contents/container in accordance with local/regional/national and international guidelines.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphenylmethanediisocyanate, isomers and homologues</td>
<td>9016-87-9</td>
<td>0-35</td>
</tr>
<tr>
<td>Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[isocyanatobenzene]</td>
<td>112898-48-3</td>
<td>0-35</td>
</tr>
<tr>
<td>Methylene diphenyl diisocyanate</td>
<td>26447-40-5</td>
<td>0-25</td>
</tr>
<tr>
<td>4,4’-methylene diphenyl disocyanate</td>
<td>101-68-8</td>
<td>0-20</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

### 4. FIRST-AID MEASURES

**First Aid Measures**

**Eye Contact**
Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**Skin Contact**
Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**Inhalation**
Supply fresh air and be sure to call for a doctor. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place patient stably in side position for transportation.

**Ingestion**
Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.
Most important symptoms and effects, both acute and delayed


Indication of any immediate medical attention and special treatment needed

Contains 4,4'-methylenediphenyl diisocyanate, diphenylmethanediisocyanate, isomers and homologues, Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis(isocyanatobenzene), methylenediphenyl diisocyanate. May produce an allergic reaction. Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible. Medical supervision for at least 48 hours. If necessary oxygen respiration treatment. Later observation for pneumonia and pulmonary edema. Treat skin and mucous membrane with antihistamine and corticoid preparations. In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Extinguishing powder. Fight larger fires with water spray.

Unsuitable Extinguishing Agents
Water stream.

Specific Hazards Arising from the Chemical
During heating or in case of fire poisonous gases are produced.

Protective equipment and precautions for firefighters
Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Isolate area and prevent access.

Methods for Containment and Clean-Up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles.

Environmental precautions
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Reference to other sections
See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Avoid splashes or spray in enclosed areas. Use on in well-ventilated areas. Avoid breathing mist, vapors and spray. Avoid contact with eyes and skin.

Information about protection against explosions and fires
Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizers, strong acids, strong bases.

Store in cool, dry conditions in well-sealed receptacles. Protect from humidity and water.
8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>OSHA Hazardous Components</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PEL ppm</td>
</tr>
<tr>
<td>4,4'-methylene diphenyl diisocyanate</td>
<td>REL</td>
</tr>
</tbody>
</table>

Engineering controls
No information available.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Wear safety glasses.

Skin and Body Protection
Wear protective gloves. The glove has to be impermeable and resistant to the product/the substance/the preparation. Wear protective work clothing.

Respiratory Protection
Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

General Hygiene Considerations
The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/aerosols. Avoid contact with skin. Immediately remove all soiled and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Pale yellow liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Pale yellow</td>
<td>Odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Faint Scent</td>
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</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>&gt;93.3°C (200°F)</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
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<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
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</tr>
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<td>Upper Flammability Limits</td>
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<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
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<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
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<td></td>
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<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Slowly reacts with water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
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<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
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<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
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<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No information available.

Chemical Stability
Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions
Toxic fumes may be released if heated above the decomposition point. Exothermic polymerization. Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with strong oxidizing agents.

Conditions to Avoid
Moisture. Excessive heat.

Incompatible Materials
Strong acids, strong bases and oxidizers.

Hazardous Decomposition Products

11. TOXICOLOGICAL INFORMATION

Product Information

Probable route(s) of exposure
Ingestion, Eye Contact and Skin Contact.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LD50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4’-methylene</td>
<td>2200 mg/kg (Mouse)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>diphenyl disocyanate 101-68-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Eye Contact
Irritating effect.

Skin Contact
Irritant to skin and mucous membranes.

Sensitization
May cause sensitization by inhalation and skin contact.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Suspected of causing cancer. IARC/ NTP/ OSHA: None of the ingredients are listed.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
May cause respiratory irritation.

STOT-repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Aquatic toxicity – No information available.

Persistence/Degradability
No information available.

Bioaccumulation
No information available.

Mobility
No information available.

General Information
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Method-Recommendation:
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packagings-Recommendation:
Disposal must be made according to official regulations. Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

DOT Not regulated
IATA Not regulated
IMDG Not regulated

Environmental hazards
Marine pollutant No

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

TSCA:
All components are in TSCA inventory.

SARA 313:
This product is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372. ’4’-methylene diphenyl diisocyanate – 101-68-8

SARA 355:
No ingredients listed.

SARA 302:
No ingredients listed.

Proposition 65 (California):
Chemicals to cause cancer: None of the ingredients listed.

Chemicals known to cause developmental toxicity in females AND males:
None of the ingredients listed.

Chemicals known to cause developmental toxicity:
None of the ingredients listed.

EPA (Environmental Protection Agency)
4,4’-methylenediphenyl diisocyanate – 101-68-8 - D, CBD
16. OTHER INFORMATION

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Issue Date: 11-Jun-2015
Revision Date: 23-July-2019
Revision Note: Regulatory Update

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet